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SEQUENCE LISTING

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<140> US 09/658,621

<141> 2000-09-08

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<151> 2000-03-03

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<151> 1999-09-08

<150> EP 99 40 2237.4

<151> 1999-09-10

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<170> PatentIn Ver. 2.1

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Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
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act gag aag aat gct gtg agt atg acc agc agc gta ctc tcc agc cac 249
Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
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gat gtc acc tcg gtc cca acc agg cca gcc ctg ggc tcc acc acc Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr 100 105 110	393
ccg cca gcc cac gat gtc acc tca gcc ccg gac aac aag cca gcc ccg Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro 115 120 125	441
ggc tcc acc gcc ccc ccg gcc cac ggt gtc acc tcg gcc ccg gac acc Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr 130 135 140	489
agg ccg ccc ccg ggc tcc acc gcc ccc gcc cac ggt gtc acc tcg Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser 145 150 155 160	537
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ggt gtc acc tcg gcc ccg gac aac agg ccg gcc ttg ggc tcc acc gcc Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala 180 185 190	633
cct cca gtc cac aat gtc acc tcg gcc tca ggc tct gca tca ggc tca Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser 195 200 205	681
gct tct act ctg gtg cac aac ggc acc tct gcc agg gct acc aca acc Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr 210 215 220	729
cca gcc agc aag agc act cca ccc agc att ccc agc cac cac tct gat Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp 225 230 235 240	777
act cct acc acc ctt gcc agc cat agc acc aag act gat gcc agt agc Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser 245 250 255	825
act cac cat agc acg gta cct ctc acc tcc tcc aat cac agc act Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr 260 265 270	873
tct ccc cag ttg tct act ggg gtc tct ttc ttt ttc ctg tct ttt cac Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His 275 280 285	921
att tca aac ctc cag ttt aat tcc tct ctg gaa gat ccc agc acc gac	969

Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp 290	295	300	
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tat aaa caa ggg ggt ttt ctg ggc ctc tcc aat att aag ttc agg cca Tyr Lys Gln Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro 325	330	335	1065
gga tct gtg gtg gta caa ttg act ctg gcc ttc cga gaa ggt acc atc Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile 340	345	350	1113
aat gtc cac gac gtg gag aca cag ttc aat cag tat aaa acg gaa gca Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala 355	360	365	1161
gcc tct cga tat aac ctg acg atc tca gac gtc agc gtg agt cat gtg Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val 370	375	380	1209
cca ttt cct ttc tct gcc cag tct ggg gct ggg gtg cca ggc tgg ggc Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly 385	390	395	1257
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cag ctg gac atc ttt cca gcc cggt gat acc tac cat cct atg agc gag Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu 435	440	445	1401
tac ccc acc tac cac acc cat ggg cgc tat gtg ccc cct agc agt acc Tyr Pro Thr Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr 450	455	460	1449
gat cgt agc ccc tat gag aag gtt tct gca ggt aat ggt ggc agc agc Asp Arg Ser Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser 465	470	475	1497
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 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
 50 55 60
 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gln Asp Val Thr Leu
 65 70 75 80
 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 85 90 95
 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
 100 105 110
 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
 115 120 125
 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
 130 135 140
 Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser
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 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
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 Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala
 180 185 190
 Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser
 195 200 205
 Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr
 210 215 220
 Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp
 225 230 235 240
 Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser
 245 250 255
 Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr
 260 265 270
 Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His
 275 280 285

Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
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Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
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Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
 325 330 335

Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
 340 345 350

Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
 355 360 365

Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val
 370 375 380

Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly
 385 390 395 400

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Tyr Leu Ile Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly
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Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu
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 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
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 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
 65 70 75 80
 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 85 90 95
 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
 100 105 110
 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
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 Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Pro Ala Ser Lys
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 Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr Thr
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Ser Thr Gly Val Ser Phe Phe Leu Ser Phe His Ile Ser Asn Leu
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 290 295 300
 Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val
 305 310 315 320
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 325 330 335
 Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr
 340 345 350
 Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
 355 360 365
 Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly Ile Ala Leu Leu
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 385 390 395 400
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 Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu Tyr Pro Thr Tyr
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 His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr Asp Arg Ser Pro
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